

SmartStop™



Customer Service

You can get a free warranty for hardware problems for one year from the date of purchase. During the free warranty period, product damage due to natural disasters, customer negligence, or defects will be handled without warranty or for a fee.



Before you start

Remote Shut-off Valve

The valve has its own basic functions and is very easy to use and understand.

Before siting the valve, make sure there is a reliable power supply available.

Before installing, it is recommended to run some basic tests to make sure the valve functions at the intended remote distance.

Follow the guidance below on how this can be done once the remote has been registered to the valve [check How to register section below].

1. Power on the valve (next to the area of installation) and set it to open (ON/Green LED) via the key/remote.
2. Position yourself as far away from the valve as possible whilst remaining in your home and within the working 40m radius.
3. Close the valve (OFF/Red LED) using the remote.
4. Go back to the valve and check if the red LED is showing.
5. If it is, the valve can be installed.
6. If the green light is still showing, repeat the above step but shorten the distance by 1-2m.
The maximum working distance may be affected by objects obstructing the signal.
7. Keep checking and reducing the distance until the valve closes and the red LED is showing.

By identifying this now, you can choose to re-site the valve if needed without the hassle of disrupting the water system.

Leak Detector

The leak detector functions similar to the remote, in that it will send a command to the shut-off valve when it is activated.

Note: The leak detector will only function if there is a small pool of water around 1mm in depth covering both metal sensors.

It does not detect an increase of moisture on the ground.

When siting the leak detectors, it is best to place this in a low point and on a non-porous surface. This gives the best chance of detecting small leaks.

Like with the remote, it is important to ensure that the leak detector can send a reliable signal to the valve.

The detector has a signal length of 40m. If there are larger objects or walls between the detector and the valve, this distance could be shortened.

It is advised to test the detector in the desired location for better peace of mind.

Follow the below steps once the detector has been registered to the valve [see How to register section below].

1. Make sure the valve is powered on and opened (Green LED).
Note: The valve does not need to be installed fully at this stage. We recommend that it is only installed once the signal from the detector can be received.
2. Place a small container of water in the location for the detector (no more than 5mm deep).
3. Place the detector in the water.
4. The detector will start beeping and send out a signal to close the valve.
Remove the detector from the water and dry with a towel. The beeping should stop.
5. Leave the detector in the area of the test and go to the location of the valve. This should be closed and with a red LED.
6. If it is, the location is suitable and the detector can be placed.
7. If the LED is still green, there is likely an issue with the signal reaching the valve.
If possible, move the detector to another area where it will be closer to the valve but still achieve the desired leak protection and retest.
8. If it is not possible to move the detector closer it might be necessary to look at siting the valve somewhere closer to the detector.

IMPORTANT : AS THE VALVE IS MAINS POWERED, THERE CAN BE COMPLICATIONS FACED IF THERE IS A POWER CUT. AS THE VALVE HAS NO MEMORY FUNCTION, IT WILL REMAIN IN THE SAME POSITION IT WAS IN BEFORE THE POWER CUT. THIS IS INTENTIONAL, AS IF WATER WAS SHUT OFF OR OPENED BY DEFAULT WHEN THE POWER WAS REINSTATED, THIS COULD CAUSE UNEXPECTED ISSUE. If a power cut does occur, the valve will show both Green and Red LEDs when power is restored. Simply operate the valve as normal with the key/remote to switch back to showing the desired position.

IMPORTANT : IF IN THE UNLIKELY OCCURRENCE OF BOTH A POWER CUT AND A LEAK, THE VALVE WILL NOT BE ABLE TO RECEIVE A SIGNAL FROM THE DETECTOR.

This is still true if the power was restored after the leak detector was initially activated.

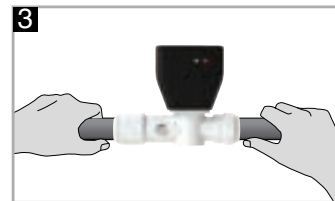
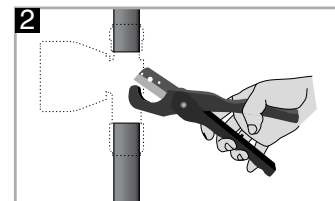
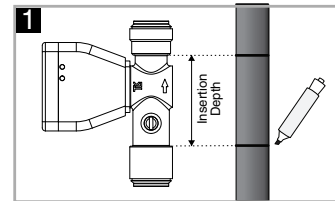
This is because the signal is only sent at the beginning of the detection and not continuously whilst there is a leak.

It is important to take this information into account when setting the detection system out as the valve can only be operated manually based of the customer hearing the beeping signal from the detector.

How to connect

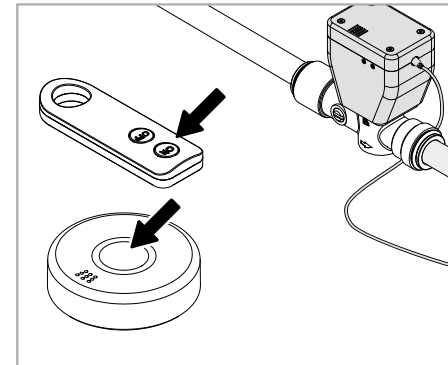
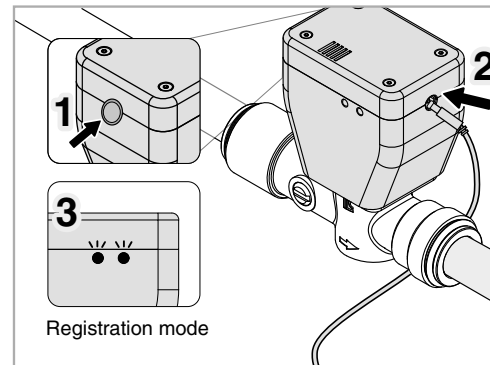
Before starting, make sure the water supply is isolated, drained and all necessary appliances are off.

Note: The valve can be used with both copper and plastic pipes. If installing with plastic pipes, ensure a suitable pipe insert is used.



- 1** Measure and mark the insertion depth on the pipe using a suitable marker.
- 2** Cut the pipe squarely using a pipe cutting tool.
- 3** Ensure the pipe, grab ring, O-ring have not been contaminated with burrs and residues. Insert the pipe into the mouth of the fitting until it reaches against the grab ring.
- 4** Push the pipe firmly with a slight twisting action until it reaches the end of the pipe. Ensure the depth insertion mark corresponds with the fitting and then pull the pipe from the fitting to check if it is secure.

How to register



1 How to enter registration mode

When you apply power while pressing Key, the red and green LEDs will flash at the same time and the Remote Shut-off Valve is in registration mode.

IMPORTANT : At this time, the Remote Control and Leak Detectors registration information that was previously registered in the Remote Shut-off Valve will be deleted.

2 Register remote controller and leak detector.

In this state, if you firmly press the key of the Remote Controller or Leak Detector, it will initiate the registration. When the device is registered, the Remote Shut-off Valve generates a Two-time Beep sound. Continue to register all other devices required, making sure the beep sounds before connecting the next. Once all devices are registered, unplug and reconnect the power jack to exit registration mode.

3 Registration restricted quantities

Only one Remote Controller can be registered to one Remote Shut-off Valve and can be registered up to 10 Leak Detectors.

*** When adding additional leak detectors to the original arrangement, follow the described process.

IMPORTANT : When registering and leak detectors will be automatically unregistered. You will need to re-register the existing remote and leak detectors at this time.

Note: For any items you wish to remain unregistered, simply don't register them in the above step and they will no longer be connected to the valve.

How to use the product



OPEN

If you want to open the valve, press the ON button of the remote controller or press the key on the valve controller. Then, you can hear a beep sound from the Remote shut-off valve.



CLOSED

If you want to close the valve, press the OFF button of the remote controller or press the key on the valve controller. Then the beep sound is heard twice from the Remote shut-off valve.



In case of leakage detection

The above is under normal working conditions. If there is a power cut, refer to the **Important information on usage section. When a leak occurs, the Remote shut-off valve automatically closes and beeps four times.

Maintenance

Remote Shut-off Valve

The valve requires limited maintenance. It is recommended to operate the remote valve and isolation valve once every 6 months minimum to ensure the valve remains operational and releases any scale build-up.

Note: If the valve is installed in a hard water area, the valve should be removed from the system and partially submerged in a descaling solution every 12 months to ensure reliable operation. DO NOT submerge the black valve controller.

Leak detector

The leak detector battery may need to be changed from time to time. Depending on the usage, the battery life expectancy is roughly 12 to 15 months.

****When the battery is low, the detector will sound****

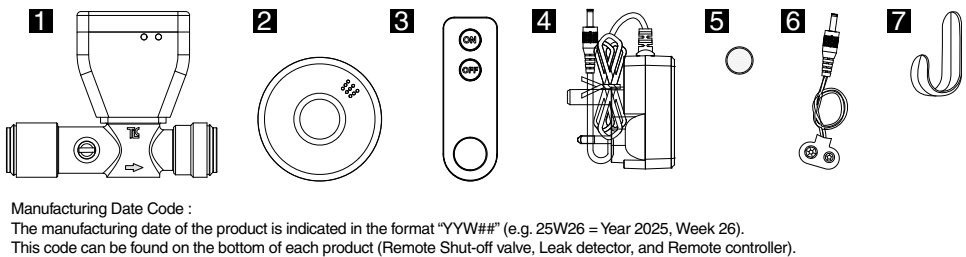
It is recommended to replace the battery in the detector within this time period and after any leak detection where the alarm has sounded for more than 5 minutes. This will ensure the battery is in a good state for any emergency situation.

Check components

- 1 Remote Shut-off Valve
- 2 Leak detector
- 3 Remote controller
- 4 Valve power pack
- 5 Coin Lithuim Battery
- 6 Emergency battery connector
- 7 Remote controller holder

* Model SVSM66MR includes 1 3 4 5x1 6 7 * Model SVSM66MRD includes 1 2 3 4 5x2 6 7

* Model SVSMLD1 includes 2x3 5x3



1 Remote Shut-off Valve

The Remote Shut-off Valve has 2 functions. Function 1: When used on it's own, it can be activated by the remote to shut-off and open water supply lines to a desired system or appliance. Function 2: When combined with the leak detector (below), the valve can operate under command to minimize leakage damage by isolating the water supply.

Key
Press the key to open and close the value at source. Also used when registering accessories.

Manual Valve
The manual valve can be used to shut the valve if a more permanent or emergency isolation is required.
NOTE: If the remote valve is already closed, this will not manually override it.

Red LED
On when the valve is closed.

Green LED
On when the valve is open.

Power
Connection for power pack and emergency power adapter.

Installation Direction
Ensure the arrow follows the same direct as the water flow in the system.

2 Leak detector

: Only included in the SVSM66MRD & SVSMLD1
It can be purchased separately.

Alarm Speaker
When a leak is detected, the speaker makes a beeping sound.

Metal Seonsors
When water is detected by the metal sensors, an alarm sounds.

5 Coin Lithium Battery 3V, CR 2450

For remote controller and/or leak detector depending on kit ordered.

7 Remote controller holder

: It is convenient to attach it to the wall and hang the remote controller for use.

3 Remote controller

: The remote can be used to open and close the shut-off valve from a range of 40m. This range can be shortened if there are thick walls or large furnishings blocking the signal.

ON button
Press the ON button to open the valve.

OFF button
Press the off button to close the valve.

4 Valve power pack

: Before installing the valve, check the distance between the valve power pack and the outlet.

6 Emergency battery connector 9V

: In the case of emergency or if the valve is closed during a power cut, the emergency battery connector can be used to open the valve. Battery is not included. Requires a 9 V battery.

*** Emergency use ONLY.**
* Do Not use more than 100 times

Solving the problem

The following table describes how to resolve issues that may arise while using the product. If the product does not work properly after checking for a solution in the event of a product failure, contact the place of purchase or Smartstop Customer Center.

A matter of concern	The solution
Unable to turn on the product.	Make sure the power cable is not damaged and is correctly inserted into the valve. Make sure the socket used for the power cable is supplied with power.
The valve is not opening the water or closing the water. The LEDs are changing, but the isolation is not.	1. The manual isolation valve is off. Rotate to the open position. 2. The isolation valve operates with a diaphragm (similar to a modern toilet valve), and as a result, it can be subject to blockages from scale. Follow the care and maintenance section. If the issue still persists, contact your local store.
The remote controller malfunctions.	Replace the coin lithium battery and check for normal operation.
There is a wet patch under the leak detector, but the valve did not isolate.	1. The detector battery is low. Replace the battery. 2. The leak is very slow, and the detector is on a porous surface. Water seal the surface or relocate the detector. Review the Important Information on usage section.
Suspected leak detector malfunction.	1. When supplied with 1 to 2 mm depth of water, two leak-detecting metal sensors at the bottom of the leak-detecting sensor contact the water surface to produce a warning sound and check the locking action of the remote shut-off valve 2. When checking for abnormal operation, check the contact status of the built-in coin lithium battery or check for normal operation after replacing the battery
When water does not come out of the faucet	It could be due to a leak causing the Remote Shutoff Valve to lock, so please check it.
NOTE : If each module is operating normally, the initial setup is performed according to the manual to connect the communication of the set. If the issue persists, contact your local store.	

Safety Precautions

- DO NOT apply any impact force to Remote Shut-off Valve.
- DO NOT disassemble Remote Shut-off Valve.

DO NOT
DO NOT USE WITH Fuel Oil, Gas or Compressed Air applications.
DO NOT USE WITH Hard metal or coated pipes such as Stainless Steel and chrome plated pipes.
DO NOT insert finger into fitting.
DO NOT impair earth continuity when using plastic pipe and fittings.
DO NOT allow contact with any chemical or foreign substances : paint stripper, solder flus or acid based descalant.

Product contains a coin/button cell

Keep out of reach of children

BATTERY WARNING: KEEP OUT OF REACH OF CHILDREN - Store spare batteries securely.

Dispose of used batteries immediately and safely.
If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

- If the battery compartment does not close securely, stop using the product and keep it away from children.
- Be alert, there are no obvious symptoms if a child has swallowed a button or coin battery.

If your child appears unwell and there are no obvious symptoms, then check to make sure there are no batteries missing from any items they have been around.
If you suspect they have swallowed a coin/button cell, then seek medical attention. Similarly, if they vomit bright red fresh blood seek immediate medical help.

- Always remain vigilant with discharged or spare button or coin batteries in the home and in products that contain them

Antifreeze
We've approved antifreezes which are based on Ethylene Glycol mixtures only

Electrical safety
Please contact a registered electrical contractor or your local Electrical Authority with regards to bonding, continuity and electrical safety

UV protection
Smartstop is suitable for use outdoors, however it should either be painted or covered with insulation to protect against exposure to UV rays.

Appendix – Regulatory Information

FCC Compliance Statement
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1.This device may not cause harmful interference, and
2.This device must accept any interference received, including interference that may cause undesired operation.

FCC Interference Statement (Class B)
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

FCC Caution
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Warning
To comply with FCC RF exposure requirements, a minimum separation distance of 20 cm must be maintained between the user's body and the device during operation.